

Title (en)

Electronic ballast for operating a load, for example a lamp

Title (de)

Elektronisches Vorschaltgerät zum Versorgen einer Last, beispielsweise einer Lampe

Title (fr)

Ballast électronique pour alimenter une charge, par exemple une lampe

Publication

EP 0641148 B1 19981104 (DE)

Application

EP 94112264 A 19940805

Priority

- DE 4328608 A 19930825
- DE 4340604 A 19931129

Abstract (en)

[origin: EP0641148A1] In an electronic ballast (2) which contains an electronic harmonic filter (7), the brightness of a lamp (3) can be ensured (maintained) by using a dimmer (1) provided in the mains feed line by feeding the controller (8) with a desired-value signal (UM) for setting the frequency (f) of the switch (S), which signal is a function of the input or output voltage of a rectifier (4) connected downstream of the dimmer (1), in particular a function of the curve of these voltages. <IMAGE>

IPC 1-7

H05B 41/392; H05B 41/29; H02M 3/156

IPC 8 full level

H02M 1/00 (2007.01); **H02M 1/42** (2007.01); **H02M 3/156** (2006.01); **H05B 41/28** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)

H02M 1/4225 (2013.01 - EP US); **H05B 41/28** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US); **Y10S 315/04** (2013.01 - EP)

Cited by

EP0679048A3; EP0907999A4; EP0780751A3; EP0785704A1; FR2743975A1; US7466084B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0641148 A1 19950301; **EP 0641148 B1 19981104**; AT E173129 T1 19981115; DE 4340604 A1 19950302; DE 59407217 D1 19981210; US 5557174 A 19960917

DOCDB simple family (application)

EP 94112264 A 19940805; AT 94112264 T 19940805; DE 4340604 A 19931129; DE 59407217 T 19940805; US 28509194 A 19940803